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On August 18, 2005

Ellen Plotkin

08/18/05
Date of Signature

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PATENT

CASE # J3696(C)

UNUS #: 02-0560-UNI

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Customer No.: 000201
Applicant: Bosley, et al.
Serial No.: 10/534,520 ✓
Filed: May 11, 2005
For: METHOD OF PRODUCING RETINYL ESTERS

Group: Unknown
Examiner: Unknown
ENGLEWOOD CLIFFS, NEW JERSEY 07632
August 18, 2005

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Alexandria, VA 22313-1450

Sir:

Documents relating to the above-identified application are submitted herewith. These documents are intended for the Examiner's information and for citation with the instant case. This submission does not constitute either a representation that a thorough search has been made or an admission that the documents cited herein are properly citable against the above-captioned patent application. Any comments accompanying the document are not intended to take the place of the Examiner's independent consideration of each document. An attached PTO Form 1449 lists all the documents.

J3696(C)

References:International Search Report, PCT/EP03/12206, mailed 01 March 2004, 2 pp.GB Search Report, GB 0226270.7, dated 17 April 2003, 1 p.GB Search Report, GB 0226270.7, dated 21 May 2003, 1 p.

DE 10018519 (Jakob) (Abstract)
 EP 0 094 771 (Beecham)
 EP 0 343 444 (Bayer) (w/abstract)
 GB 2 026 319 (Beecham)
 JP 56113760 (Kanebo) (Abstract)
 JP 6032774 (Shiseido) (Abstract)
 JP 61212515 (Taisho) (Abstract)
 JP 62248495 (Mihama) (Abstract)
 WO 99/32105 (DCV)
 WO 01/78676 (Unilever PLC)

Maugard, et al., "Enzymatic Synthesis of Derivatives of Vitamin A in Organic Media", Journal of Molecular Catalysis B Enzymatic, vol. 8, no. 4-6, 18 February 2000, pages 275-280, XP002270197

O'Connor, et al., "Candida-Cylindracea Lipase-Catalysed Synthesis of Retinyl and Oleyl Palmitates Carbon Chain Length Dependence of Esterase Activity", Australian Journal of Chemistry, vol. 45, no. 4, 1992, pages 641-649, XP0008027552

Ajima, et al., "Retinyl Esters Synthesis by Polyethylene Glycol-Modified Lipase in Benzene", Biotechnology Letters, vol. 8, no. 8, 1986, pages 547-552, XP0008027553

Dossat, et al., "Lipase-catalysed Transesterification of High Oleic Sunflower Oil", Enzyme and Microbial Technology, vol. 30, no. 1, 8 January 2002, pages 90-94, XP002270198

Haraldsson, et al., "The Preparation of Concentrates of Eicosapentaenoic Acid and Docosahexaenoic Acid by Lipase-catalyzed Transesterification of Fish Oil with Ethanol", Journal of the American Oil Chemists' Society, American Oil Chemists' Society Campaign, US, vol. 74, no. 11, 1 November 1997, pages 1419-1424, XP000736917

J3696(C)

No additional fee is required since this information is filed prior to the first Office Action on the merits. (37 CFR 1.97(b)(3)). Triplicate copies of this letter are enclosed.

Respectfully submitted,



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PTO-1449

U.S. Dept. of Commerce - Patent & Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

LIST OF REFERENCES CITED BY APPLICANT

Applicant: Bosley, et al.
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 UNUS No.: 02-0560-UNI
 Group: Unknown



U.S. PATENT DOCUMENTS

EXAM. INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
	10018519	15 Apr. 00	DE			X (Abstract)	
	0 094 771	06 May 83	EP				
	0 343 444	12 May 89	EP			X (Abstract)	
	2 026 319	28 Jul. 78	GB				
	56113760	07 Sep. 81	JP			X (Abstract)	
	6032774	08 Feb. 94	JP			X (Abstract)	
	61212515	20 Sep. 86	JP			X (Abstract)	
	62248495	29 Oct. 87	JP			X (Abstract)	
	99/32105	01 Jul. 99	WO				
	01/78676	25 Oct. 01	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

International Search Report, PCT/EP03/12206, mailed 01 March 2004, 2 pp.

GB Search Report, GB 0226270.7, dated 17 April 2003, 1 p.

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O'Connor, et al., "Candida-Cylindracea Lipase-Catalysed Synthesis of Retinyl and Oleyl Palmitates Carbon Chain Length Dependence of Esterase Activity", Australian Journal of Chemistry, vol. 45, no. 4, 1992, pages 641-649, XP0008027552

/Herbert Lilling/ (05/12/2008)

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /HJL/

Ajima, et al., "Retinyl Esters Synthesis by Polyethylene Glycol-Modified Lipase in Benzene", Biotechnology Letters, vol. 8, no. 8, 1986, pages 547-552, XP0008027553

Dossat, et al., "Lipase-catalysed Transesterification of High Oleic Sunflower Oil", Enzyme and Microbial Technology, vol. 30, no. 1, 8 January 2002, pages 90-94, XP002270198

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

/Herbert Lilling/ (05/12/2008)

05/12/2008